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Our Ref: J 1494 HP

In reply to the Written Opinion dated April 20, 2004, we request deletion of claims 5 to 8 without prejudice. We enclose a revised page of the claims on which former claims 9 and 10 have been renumbered. Also enclosed is a revised page 6 of the description.

We look forward to receiving a positive International Preliminary Examination report.

Original signed
Paul Madgwick
Professional Representative
of the Applicant

Encls.
Revised pages 6 and 15
PM/cf
j1494-e1

5. A method of adapting an air gap eductor having a venturi mixing portion (3) and an air gap (5), comprising installing a non-return valve (19) in said air gap.
6. 10. A method according to claim ⁵ 9, wherein the air gap eductor comprises a nozzle for directing a water jet and the method comprises the step of removing the nozzle from the eductor.

Herein described is
~~In a second aspect of the present invention there is provided a~~
non-return valve cartridge adapted to be removably installed in
an air gap of an eductor having an air gap and a venturi inlet
5 zone, wherein the non-return valve cartridge comprises an inlet
adapted to receive water from a supply line and an outlet
adapted to deliver water to the venturi inlet zone, and a non-
return valve between the inlet and the outlet.
Preferably, the outlet comprises a sealing surface to provide
10 sealing contact with the venturi inlet zone.
Preferably the inlet comprises a sealing surface to provide
sealing contact with the supply line.
Preferably, the non-return valve cartridge has a core, an
expandable resilient sleeve arranged around and in sealing
15 contact with the core to prevent fluid flow between the sleeve
and the core, the sealing contact being broken when the
resilient sleeve is expanded, wherein the resilient sleeve is
expanded by fluid pressure from the inlet.
Preferably the non-return valve cartridge comprises an outer
20 casing arranged around the resilient sleeve to limit the extent
of expansion of the sleeve and seal to the sleeve during flow
from the inlet to the outlet. In this arrangement a back flow
of water may pass between the outer casing and the sleeve when
the path from the inlet to the outlet is closed. Preferably the
25 outer casing comprises an aperture through which fluid may exit
the non-return valve if back flow occurs.
A non-return valve cartridge ~~According to the present invention~~